Section 1: Product & Company Identification

Product Name: CC-2000
Product Use: Foamer

Company Information:
- Plant Facility: CoilChem, LLC
  3928 Hwy 80
  Rayville, LA 71269
  (318) 728-6565
- Corporate Office: CoilChem, LLC
  2103 East Ladd Rd
  Washington, OK 73093
  (405) 392-2505

Emergency Information: Contact Infotrac: 1-800-535-5053

S.D.S. Revision Date: January 8, 2015

Section 2: Hazards Identification

Appearance: Pale Yellow Liquid
Odor: Mild
Principal Hazards: Warning.
*Causes Eye Irritation
*Causes Skin Irritation

See Section 11 for complete health hazard information.

Section 3: Composition/Information on Ingredients

Hazardous Ingredients:

<table>
<thead>
<tr>
<th>Comp</th>
<th>CAS Number</th>
<th>Percentage (By Wt.)</th>
<th>Carcinogen</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cocoamidopropyl Hydroxysultaine</td>
<td>68139-30-0</td>
<td>From 30 to 39.9 %</td>
<td>N/E</td>
</tr>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>From 1 to 4.9 %</td>
<td>N/E</td>
</tr>
</tbody>
</table>

(N/E)-Not Established

Section 4: First-Aid Measures

Eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing; if eye irritation persists, get medical attention.

Skin: Wash with soap and water. Remove contaminated clothing. If skin irritation occurs, get medical attention. Launder contaminated clothes before reuse.

Inhalation: Remove exposed person to fresh air if adverse effects are observed.

Oral: Treat symptomatically. Get medical attention.

Additional Information: Note to Physician: Treat symptomatically
Section 5: Fire Fighting Measures

Flash Point: >100°C, 212°F PMCC (Minimum)
Extinguishing Media: CO2, dry chemical, foam, water spray, water fog.
Fire Fighting Procedures: Wear full protective fire gear including self-containing breathing apparatus operated in the positive pressure mode with full face piece, coat, pants, gloves, and boots. Water may be ineffective fighting fires.
Unusual Fire & Explosion Hazards: Material will not burn until water has been evaporated

Section 6: Accidental Release Measures

Spill Procedures: Personal Protective Equipment must be worn, (See Personal Protective Equipment for PPE Recommendations). Take precautions to avoid release to the environment. Ventilate areas if spilled in a confined space or other poorly ventilated areas. Prevent entry into waterways and sewers; dispose of in accordance with all federal, state, and local environmental regulations. Spill liquid and dried film is slippery. Use care to avoid falls. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.

Section 7: Handling & Storage:

Pumping Temperatures: Not determined
Maximum Handling: Not determined

Handling Procedures: Keep containers closed when not in use. Do not discharge into drains or the environment; dispose to an authorized waste collection point. Use appropriate containmnet to avoid environmental contamination. Avoid contact with eyes or skin. When handling do not eat, drink, or smoke. Avoid drinking tasting, swallowing, or ingesting this product. Avoid vapors or sprays. Avoid breathing dust, fumes, gas, mist, vapors, or sprays. Avoid inhalation of dust, aerosol mist, spray, fumes, or vapors. Use with appropriate and adequate ventilation. Avoid contact with eyes, skin, and clothing. Minimize contact with air to reduce contamination with mold, fungus, or other organisms which could cause decomposition or spoilage. Wash thoroughly after handling. Launder contaminated clothing before reuse. Empty container contains product residue which may exhibit hazards of product. Dispose of packaging or containers on accordance with local, regional, national, and international regulations.

Max Storage Temp: 48.89°C, 120°F

Storage Procedures: Take precautions to avoid release to the environment. Keep from freezing. Store in a cool, dry, well-ventilated areas. Keep container closed when not in use. Do not store in temperatures greater than 120 degrees F (49 degrees C). Do not store in open, unlabeled or mislabeled containers (See section 10 for incompatible materials.)

Max Loading Temps: Not Determined
## Section 8: Exposure Controls/ Personal Protection

### Exposure Limits:

<table>
<thead>
<tr>
<th>Comp</th>
<th>OSHA</th>
<th>ACGIH</th>
<th>OTHER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TWA</td>
<td>STEL</td>
<td>TWA</td>
</tr>
<tr>
<td>Glycerin</td>
<td>15 mg/ cu M</td>
<td>N/E</td>
<td>10mg/ cu M</td>
</tr>
</tbody>
</table>

(s)-Skin Exposure  
(p)- Proposed Limit  
(c)- Ceiling Exposure  
(l)-Recommended Exposure Limit  
(u)-Supplier recommended exposure limit  
(N/E)- None Established

### Other Exposure Limits: None Known

### Engineering Controls:  
Use material in well-ventilated area only. Additional ventilation or exhaust maybe required to maintain air concentrations below recommended exposure limits. Prevent inhalation by providing effective general and, when necessary, local exhaust ventilation to draw spray, aerosol, fume, mist, or vapor away from workers.

### Gloves Procedures:  
Use good industrial hygiene practices to avoid skin contact. If contact with the material may occur wear chemically protective gloves.

### Eye Protection:  
Safety Glasses. If potential for splash or mist exists, wear chemical goggles or face shield.

### Respiratory Protection:  
Under normal use conditions, respirator is not usually required.

### Clothing Recommendation:  
Do not wear rings, watches, or similar apparel that could entrap the material and cause skin reaction.
Section 9: Physical & Chemical Properties

- **Flash Point:** >100°C, 212°F PMCC (Minimum)
- **Upper Flammable Limit:** Not determined
- **Lower Flammable Limit:** Not determined
- **Auto ignition Point:** Not determined
- **Explosion Data:** Material does not have explosive properties
- **Vapor Pressure:** ~ 18 mm Hg (20°C)
- **pH:** 6.5-8 at 5% in water
- **Specific Gravity:** 1.11 (20°C)
- **Bulk Density:** 9.22 Lb./gal, 1.1 Kg/L
- **Water Solubility:** Soluble
- **Percent Solid:** ~ 50% by weight
- **Percent Volatile:** ~ 50% by weight
- **Volatile Organic Compound:** Not determined
- **Vapor Density:** < 1 Air = 1
- **Evaporation Rate:** < 1 Butyl acetate = 1
- **Odor:** Mild
- **Appearance:** Pale Yellow Liquid
- **Viscosity:** Not determined
- **Odor Threshold:** Not determined
- **Boiling Point:** ~ 100°C, ~212°F (Typical)
- **Pour Point Temperature:** Not determined
- **Melting/Freezing Point:** ~0°C, ~32°F

The above data are typical values and do not constitute a specification. Vapor Pressure data are calculated unless otherwise noted.

Section 10: Stability & Reactivity

- **Stability:** Material is normally stable at moderately elevated temperatures and pressures.
- **Incompatibility:** Strong acids, strong bases, oxidizing agents
- **Polymerization:** Will not occur.

**Thermal Decomposition:** Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion. Under combustion conditions, oxides of the following elements will be formed: nitrogen, sulfur. Irritating and toxic substances may be emitted upon combustion, burning, or decomposition of dry solids.

**Conditions to Avoid:** Do not Freeze.
Section 11: Toxicological Information

~Acute Exposure~

Eye Irritation: Moderate to strong eye irritant. Based on data from components or similar materials.

Skin Irritation: Skin irritant. Based on data from components or similar materials.

Respiratory Irritant: If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract. Based on data from components or similar materials.

Dermal Toxicity: The LD50 in rabbits is > 2000 mg/Kg. Based on data from components or similar materials.

Inhalation Toxicity: Avoid inhalation of mists or vapors.

Oral Toxicity: The LD50 in rabbits is > 10,000 mg/Kg. Based on data from components or similar materials. Ingestion of the material may cause gastrointestinal irritation.

Dermal Sensitization: No data available to indicate product or components may be skin sensitizer.

Inhalation Sensitization: No data available to indicate product or components may be respiratory sensitizers.

~Chronic Exposure~

Chronic Toxicity: No data available to indicate product or components present at greater than 1% are chronic health hazards.

Carcinogenicity: No data available to indicate any components present at greater than .1% may present a carcinogenic hazard.

Mutagenicity: No date available to indicate product or any components present at greater than .1% are mutagenic or genotoxic.

Reproductivity Toxicity: No date available to indicate either product or any components present at greater than .1% that may cause reproductivity toxicity.

Teratogenicity: No data available to indicate product or any components contained at greater than .1% may cause birth defects.

~Additional Information~

Other: No other health hazards known

Section 12: Ecological Information

~Environmental Toxicity~

Freshwater Fish Toxicity: Not determined

Freshwater Invertebrates Toxicity: The acute EC50 is 10-100 mg/ L based on component data.

Algal Inhibition: Not determined

Saltwater Fish Toxicity: Not determined

Saltwater Invertebrates Toxicity: Not determined

Bacteria Toxicity: Not determined

Miscellaneous Toxicity: Not determined

~Environmental Fate~

Biodegradation: Adequate data is no available to estimate the biodegradation potential of this material.

Bioaccumulation: 25% or greater of the components display no potential to bioconcentrate.
Section 13: Disposal Considerations

Waste Disposal: This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261. Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local Regulations.

Section 14: Transport Information

ICAO/IATA I: Not regulated
ICAO/ IATA II: Not regulated
IMDG: Not regulated
MARPOL Annex II: Not determined
USCG Compatibility: Not determined
US DOT Bulk: Not regulated
DOT NAERG: Not applicable
US DOT (Intermediate): Not regulated
US DOT Non-Bulk: Not regulated
US DOT Non-Bulk NAERG: Not applicable
Canada: Not regulated
Mexico: Not regulated
Bulk Quantity: 85,000 Kg, 187,391 lbs.
Intermediate Quantity: 11,000 Kg, 24,251 lbs.
Non-Bulk Quantity: 400 Kg, 882 lbs.

Review classification requirements before shipping materials at elevated temperatures.

Section 15: Regulatory Information

~Global Chemical Inventories~

USA: All components of this material are on the US TSCA Inventory are exempt.
Other TSCA Reg: None known
EU: All components are in compliance with the EC Seventh amendment Directive 92/32/EEC
Japan: This product requires notification in Japan.
Australia: All components are in compliance with chemical notification requirements in Australia.
New Zealand: All components are in compliance with chemical notification requirements in New Zealand.
Canada: All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substance List.
Switzerland: All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland.
Korea: All components are in compliance with Korea.
Philippines: All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Acts of 1990 (RA 6969).
China: All components of this product are listed on the Inventory of Existing Chemical Substances in China.
Taiwan: May require notification before sale in Taiwan.

**- Other U.S. Federal Regulations-**

SARA Ext. Haz. Subst. This product does not contain greater than 1% of any chemical substance on the SARA extremely hazardous substance list.

SARA Section 313: This product does not contain greater than 1% (greater than .1% for carcinogenic substance) of any chemical substance s listed under SARA Section 313

SARA 311 Classifications:

| Acute Hazard | Yes |
| Chronic Hazard | No |
| Fire Hazard | No |
| Reactivity Hazard | No |

CERCLA Hazardous Substances: None Known

**-State Regulations-**

Cal. Prop. 65 This product does not intentionally contain any chemicals known by the State of California to cause cancer and/or birth defects. Moreover, we do not routinely analyze its products for impurities which may be such chemicals.

**-Product Registrations-**

US Fuel Registration: Not applicable

Finnish Registration Number: Not registered

Swedish Registration Number: Not registered

Norwegian Registration Number: Not registered

Danish Registration Number: Not registered

Swiss Registration Number: Not registered

Italian Registration Number: Not registered

**Section 16: Other Information**

HMIS Codes:

<table>
<thead>
<tr>
<th>Health</th>
<th>Fire</th>
<th>Reactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

Precautionary Labels:

**Warning:**

*Causes eye irritation.

*Causes skin irritation.

This product’s safety information is provided to assist our customers in assessing compliance with health, safety and environmental regulations. The information contained herein, is based on data available to us and is believed to be accurate, although no guarantee or warranty is provided by this company in this respect. Since the use of this product is within the exclusive control of the user, it is the user’s obligation to determine the conditions of safe use of this product. Such conditions should comply with all Federal regulations concerning the product. **All materials in this product are produced in compliance with Public Law 94-469 (also known as the “Toxic Substances Control Act” of 1976).**